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By the Authority Vested By Part 5 of the United States Code § 552(a) and Part 1 of the Code of Regulations § 51 the attached document has been duly INCORPORATED BY REFERENCE and shall be considered legally binding upon all citizens and residents of the United States of America. *HEED THIS NOTICE*: Criminal penalties may apply for noncompliance.

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Document Name: SAE J584: Motorcycle and Motor Driven Cycle Headlamps

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MOTORCYCLE AND MOTOR DRIVEN CYCLE HEADLAMPS—SAE J584

SAE Standard

Report of Lighting Committee approved January 1949 and last revised March 1960. Editorial change April 1964.

Definition—A motorcycle or motor driven cycle headlamp is a major lighting device used to provide general illumination ahead of the vehicle. A motor driven cycle is defined in Section 1—132 of the Uniform Code as every motorcycle, including every motor scooter, with a motor which produces not to exceed 5 hp, and every bicycle with motor attached.

The following sections from SAE J575 are a part of this standard.

Section B—Samples for Test

Section C—Lamp Bulbs

Section D—Laboratory Facilities

Section E—Vibration Test

Section F—Moisture Test

Section G—Dust Test—Where sealed units are used, the dust test shall not be required.

Section H—Corrosion Test

Section J—Photometric Test Points—The angular relation between significant test points for the various upper and lower beams is as shown on the following charts.

Section K—Out-of-Focus Tests on Unsealed Units

Color Test—The light from the lamps should be white.

Out-of-Focus Tests on Unsealed Units—See Section K of SAE J575.

Beam Aim During Photometric Test—The upper beam of a multiple beam headlamp shall be aimed visually so that the geometric center of the zone of highest intensity falls 0.4 deg vertically below the lamp axis. The beam from a single beam headlamp shall be aimed straight ahead with the top of the beam aimed vertically to obtain 2000 cp at H-V.

Photometric Tests—Shall be made with the photometer at a distance of 60 ft from the lamp. The bulb or unit shall be operated at its rated voltage during the test.

At-Focus Tests—The light source or sources shall be located in the designed position as specified by the manufacturer.

The beams or beam from a single lamp shall meet the candle power specifications listed in the following tables except that a tolerance of ± ¼ deg in location may be allowed for any test point to allow for variations in readings between laboratories.

General Requirement—Optional with this specification, one 7-in. sealed beam unit or one 5¾-in. Type 1 and one 5¾-in. Type 2 sealed beam units meeting the requirements of SAE J579 may be used on a motorcycle or a motor driven cycle.

TABLE 1—UPPER BEAM

Position, deg	Motorcycle	Motor Driven Cycle	
	Multiple Beam, cp	Multiple Beam, cp	Single Beam, cp
1U—4L	—	—	400 max
1U—V	—	—	200–1,000
H—V	10,000 min	2,000 min	2,000
1/2D—V	20,000 min	5,000 min	5,000 min
1/2D—3L and 3R	4,000 min	3,000 min	3,000 min
1/2D—6L and 6R	1,000 min	750 min	750 min
1D—V	15,000 min	5,000 min	5,000 min
2D—V	5,000 min	3,000 min	3,000 min
3D—V	2,500 min	1,000 min	1,000 min
3D—6L and 6R	750 min	500 min	500 min
4D—V	5,000 max	5,000 max	5,000 max
Maximum anywhere	75,000	—	—

TABLE 2—LOWER BEAM

Position, deg	Motorcycle Multiple Beam, cp	Motor Driven Cycle Multiple Beam, cp
1-1/2U—1R to right	1,000 max	1,000 max
1U—1L to left	500 max	500 max
1/2U—1R to 3R	2,000 max	2,000 max
1/2U—1L to left	800 max	800 max
1/2D—1R to right	10,000 max	10,000 max
1/2D—1L to left	2,000 max	2,000 max
2D—3R	3,000 min	2,000 min
2D—3L	2,000 min	1,500 min
2D—6L and 6R	750 min	500 min
4D—4R	12,500 max	12,500 max

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